

29 Sept 1993

CONFIGURATION A: AT1AM-B
CONFIGURATION B: AT1EY-B
CONFIGURATION C: AT1JN-B
CONFIGURATION D: AT1NY-B
CONFIGURATION E: AT1SN-B
CONFIGURATION F: AT1WN-B

ATTENUATOR, FIXED, COAXIAL

1. GENERAL. This procurement requires fixed coaxial attenuators.

2. CLASSIFICATION. Type II, Class 6, Style E, and Color R in accordance with MIL-T-28800 for shipboard applications. Power source requirements are not invoked.

3. OPERATIONAL REQUIREMENTS. The attenuators shall meet the requirements specified below.

3.1 Attenuation. Attenuation values of configurations A through F shall be in accordance with table I.

TABLE I. Attenuator Configurations

| <u>Configuration</u> | <u>Attenuation (dB)</u> | <u>Accuracy (dB)</u> |
|----------------------|-------------------------|----------------------|
| A | 3 | 0.3 |
| B | 6 | 0.3 |
| C | 10 | 0.5 |
| D | 20 | 0.5 |
| E | 30 | 1 |
| F | 40 | 1 |

3.2 Frequency range. 0 to 18 GHz minimum.

3.3 Minimum attenuator accuracy. See table I.

3.4 Impedance. 50 ohm nominal.

3.5 Power rating. 5 watts continuous and 1 kW peak for 5 us minimum.

3.6 VSWR. 1.4 maximum.

3.7 Connectors. Type N male and female.

4. GENERAL REQUIREMENTS.

4.1 Weight. 0.1 kg (3.6 oz).

4.2 Lithium batteries. Per MIL-T-28800, lithium batteries are prohibited without prior authorization. A request for approval for the use of lithium batteries, including those encapsulated in integrated circuits, shall be submitted to the procuring activity at the time of submission of proposals. Approval shall apply only to the specific model proposed.